

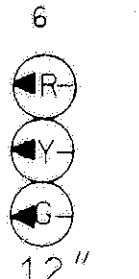
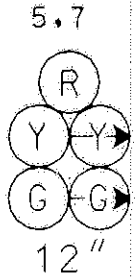
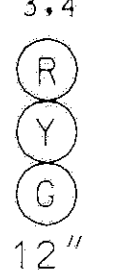
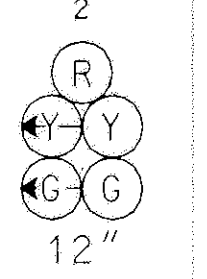
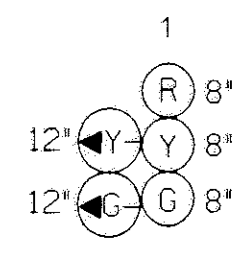


SIGNS

8,10,11,13
Race Track RD.
D3-2 DUAL FACED SIGN
(VARIABLE X 16 IN.)



SIGNALS



NOTE: SIGNALS 1,6,7 AND
SIGNS 14,15,1,6,17 ARE PROPOSED.

PROJECT DESCRIPTION

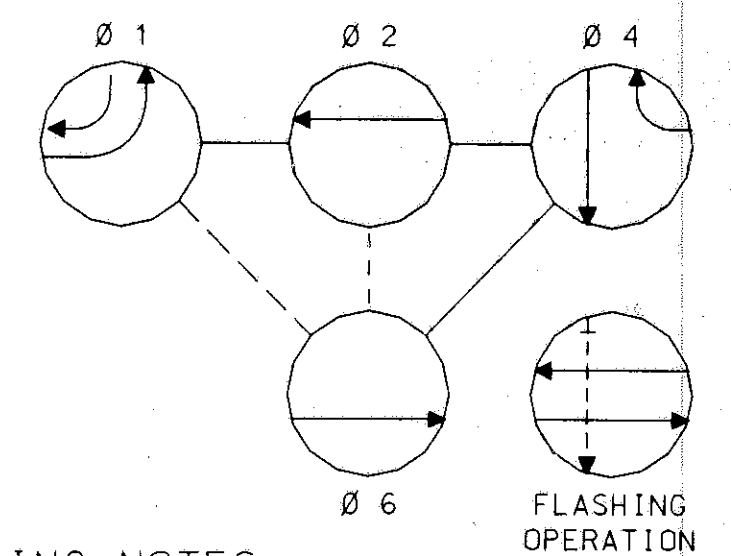
GENERAL

THIS PROJECT INVOLVES THE MODIFICATION TO THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF MD 450 AND RACE TRACK ROAD IN PRINCE GEORGE'S COUNTY. THE WORK WILL CONSIST OF REVISING THE LANE CONFIGURATION THAT IS TO BE DONE BY PRINCE GEORGE'S COUNTY AND TO MODIFY RACE TRACK ROAD WITH EXCLUSIVE DOUBLE LEFT TURNS AND RIGHT TURN OVERLAP. THE REMOVAL OF ALL PAVEMENT MARKINGS AND THE INSTALLATION OF NEW PAVEMENT MARKINGS ARE TO BE DONE BY PRINCE GEORGE'S COUNTY.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL BE REVISED TO ADD DOUBLE LEFT TURNS AND RIGHT TURN OVERLAP FOR RACE TRACK ROAD.

NEMA PHASING



PHASING NOTES:

1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
2. PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.

"CONSTRUCTION DETAILS"

- (A) REMOVE EXISTING (R3-6G) SIGN.
- (B) REMOVE EXISTING SIGNAL.
- (C) INSTALL 6' x 30' LOOP DETECTOR (3-6-3 TURNS).
- (D) INSTALL 1" ELECTRICAL CONDUIT GALVANIZED SLEEVE.
- (E) INSTALL 8/12" ONE-WAY, FIVE-SECTION (8"R,Y,G,12"YA,GA) TRAFFIC SIGNAL HEAD.
- (F) REMOVE OVERHEAD SIGN.
- (G) INSTALL 12" ONE-WAY, THREE-SECTION (RA,YA,GA) TRAFFIC SIGNAL HEAD.
- (H) USE EXISTING CABINET.
- (J) USE EXISTING HANDHOLE.
- (K) INSTALL (R3-5L) (LEFT TURN ONLY) SIGN.
- (L) USE EXISTING CONDUIT.
- (M) REMOVE EXISTING SIGNAL AND INSTALL 12" ONE-WAY, FIVE-SECTION (R,Y,YA,G,GA) SIGNAL HEAD FOR RIGHT TURN OVERLAP.
- (N) INSTALL GROUND MOUNTED SIGN ON 4" X 4" WOOD POST.
- (D) INSTALL 6' x 6' LOOP DETECTOR.
- (P) INSTALL ELECTRICAL HANDHOLE.
- (Q) INSTALL 2" SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED.

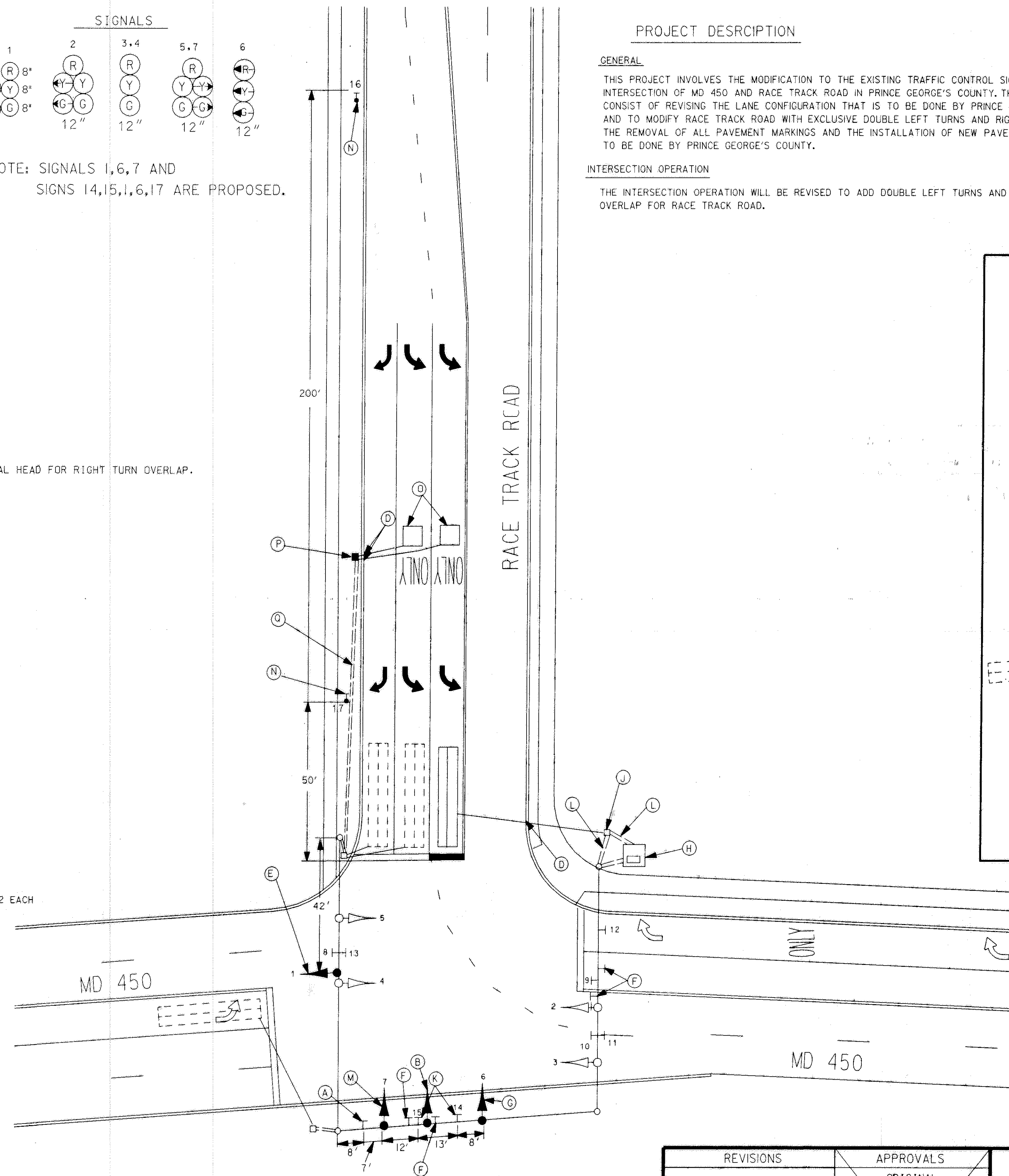
EQUIPMENT LISTS

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

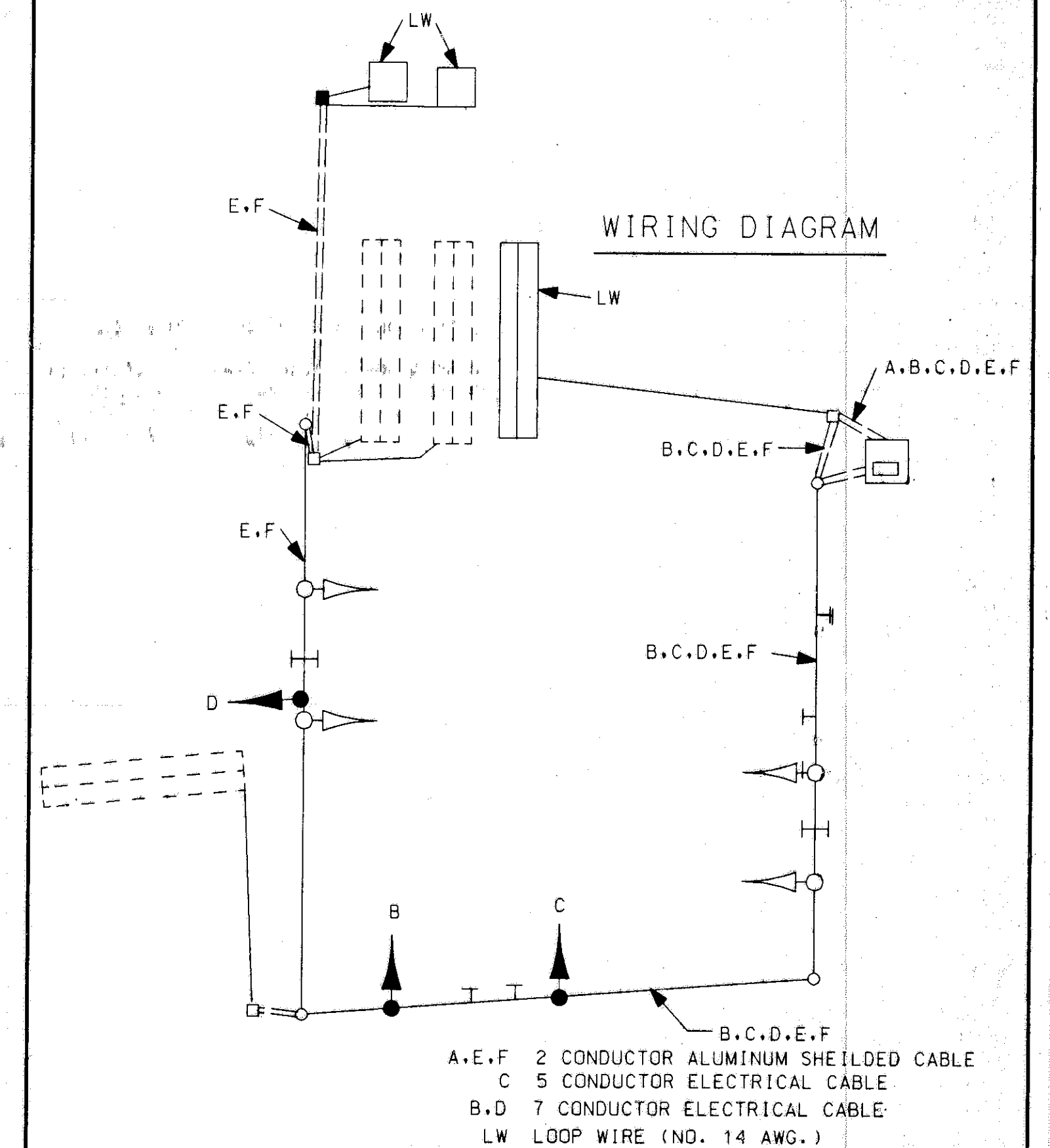
ITEM NO.	QUANTITY	DESCRIPTION
9044	1 EA	(SPAN MT) 12' 1-WAY, 3-SECTION SIGNAL (ALUMINUM) (R,Y,Y,G,G)
9050	1 EA	(SPAN MT) 12' 1-WAY, 5-SECTION SIGNAL (ALUMINUM) (R,Y,Y,G,G,G)
9053	1 EA	(SPAN MT) 8' & 12' 1-WAY, 5-SECTION SIGNAL (ALUMINUM) (R,Y,Y,G,G,G)
9089	27.5 SF	FLAT SHEET ALUM SIGN-YELLOW, ORANGE, & SILVER (SF) R3-5L (LEFT TURN ONLY) 30' x 36' - SPAN MOUNTED - 2 EACH R3-7R (RIGHT LANE MUST TURN RIGHT) 30' x 30' - GROUND MOUNTED - 2 EACH

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

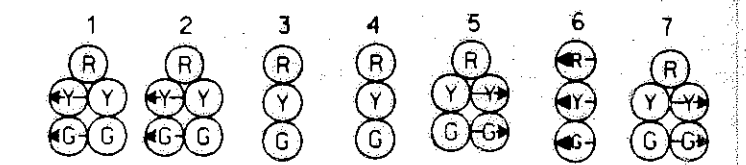
ITEM NO.	QUANTITY	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC PER ASSIGNMENT
8011	3 EA	INSTALL SIGNAL HEAD (ANY TYPE)
8021	250 LF	FURNISH AND INSTALL SAW CUT FOR SIGNAL (LOOP DETECTOR)
8022	50 LF	FURNISH AND INSTALL 1 INCH ELECTRICAL CONDUIT - GALVANIZED SLEEVE
8024	110 LF	FURNISH AND INSTALL 2 INCH SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8033	1 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8040	850 LF	FURNISH AND INSTALL LOOP WIRE ENCASED IN FLEXIBLE TUBING (NO 14 AWG)
8044	350 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO 14 AWG)
8045	630 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 7 CONDUCTOR (NO 14 AWG)
8051	34 LF	FURNISH AND INSTALL WOOD SIGN SUPPORTS 4" X 4".
8053	12.5 LF	INSTALL GROUND MOUNTED SIGN
8054	15 LF	INSTALL OVERHEAD SIGN
8061	1 EA	REMOVE AND DISPOSE OF EXISTING MATERIAL AND EQUIPMENT PER ASSIGNMENT



WIRING DIAGRAM



PHASE CHART



PHASE 1 + 6	$\leftarrow \frac{G}{G}$	$\frac{C}{C} \rightarrow$	G	R	R	$\leftarrow R$	$\frac{R}{G} \rightarrow$	
1 + 6 CHANGE	$\frac{C}{G} \rightarrow$	$\leftarrow \frac{G}{C}$	G	R	R	$\leftarrow R$	$\frac{R}{Y} \rightarrow$	
2 + 6	G	G	G	G	G	$\leftarrow R$	$\frac{R}{Y} \rightarrow$	
2 + 6 CHANGE	Y	Y	Y	Y	Y	$\leftarrow R$	$\frac{R}{Y} \rightarrow$	
PHASE 4	R	R	R	R	R	$\leftarrow G$	$\frac{G}{R} \rightarrow$	
4 CHANGE	R	R	R	R	R	$\leftarrow G$	$\frac{G}{Y} \rightarrow$	
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/R	FL/R	

REVISIONS		APPROVALS	
		ORIGINAL	
		ON	
		ASST. TRAFFIC ENGINEERING DESIGN DIVISION	
		FILE	
		ASST. DISTRICT ENGINEER, TRAFFIC	
		CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION	
		DIRECTOR, TRAFFIC & SAFETY	



 MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
MD 450 AND RACE TRACK ROAD

DRAWN BY: LES TOWNSEND
CHECKED BY:
SCALE: 1"=20'
DATE: 1-12-74

F.A.P. NO.	
S.H.A. NO.	
COUNTY:	PRINCE GEORGES
LOC. MILE.	16045013.17

TS NO. TS 139F	SHEET NO.
T.I.M.S. NO. C 923	1 OF 1